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PATENT, TRADEMARK
AND COPYRIGHT LAW

FACSIMILE: (703) 684-2186

17302
10/31/2004
PTO
10/31/1868



13281
033004
U.S. PTO

(703) 684-1120

Date: March 30, 2004

Attorney Docket No. TSM-38

CUSTOMER NO. 24956

To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir: Transmitted herewith for filing is the patent application of:

Inventor: Y. KANEDA et al (see attached)

For:
MANAGEMENT COMPUTER AND METHOD OF
MANAGING DATA STORAGE APPARATUS

Enclosed are:



20 Sheets of Drawings



This application is being filed without an executed Declaration.



Priority is claimed from Japanese Application No. 2004-015313 (which is hereby filed January 23, 2004). A certified copy is attached herewith. incorporated by reference



Copies of the disclosure documents listed on the attached PTO 1449 form and discussed in the specification or attached Information Disclosure Statement.



Small entity status under 37 CFR 1.9 and 1.27 is hereby claimed.



Specification: Abstract , Description 55 pages; and 20 claim(s).



Preliminary Amendment.



Executed Declaration.

The filing fee is calculated as shown below:

Small Entity

Large Entity

| For: | No. Filed | No. Extra |
|---|-----------|-----------|
| Basic Fee | | |
| Total Claims | 20 -20 = | * 0 |
| Indep Claims | 6 - 3 = | * 3 |
| <input type="checkbox"/> Multiple Dependent Claim (s) | | |

* If difference is less than zero
then enter '0' in second column

| Rate | Fee |
|-------|--------|
| | \$ 375 |
| x 9 | \$ |
| x 42 | \$ |
| + 140 | \$ |
| Total | \$ |

| Rate | Fee |
|-------|-----------|
| | \$ 770 |
| x 18 | \$ 0 |
| x 84 | \$ 258. |
| + 280 | \$ 0 |
| Total | \$ 1,028. |



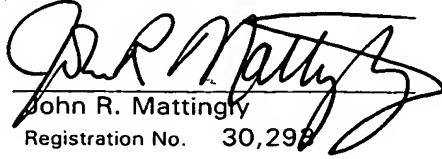
A check or credit card payment form in the amount of \$ 1,028.00 is enclosed for the filing fee.



The Commissioner is hereby authorized to charge any additional fees that may be required to
Deposit Account No. 50-1417.

Respectfully Submitted,

By:


John R. Mattingly
Registration No. 30,298

TSM-38
HT189501

LIST OF INVENTORS' NAMES AND ADDRESSES

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